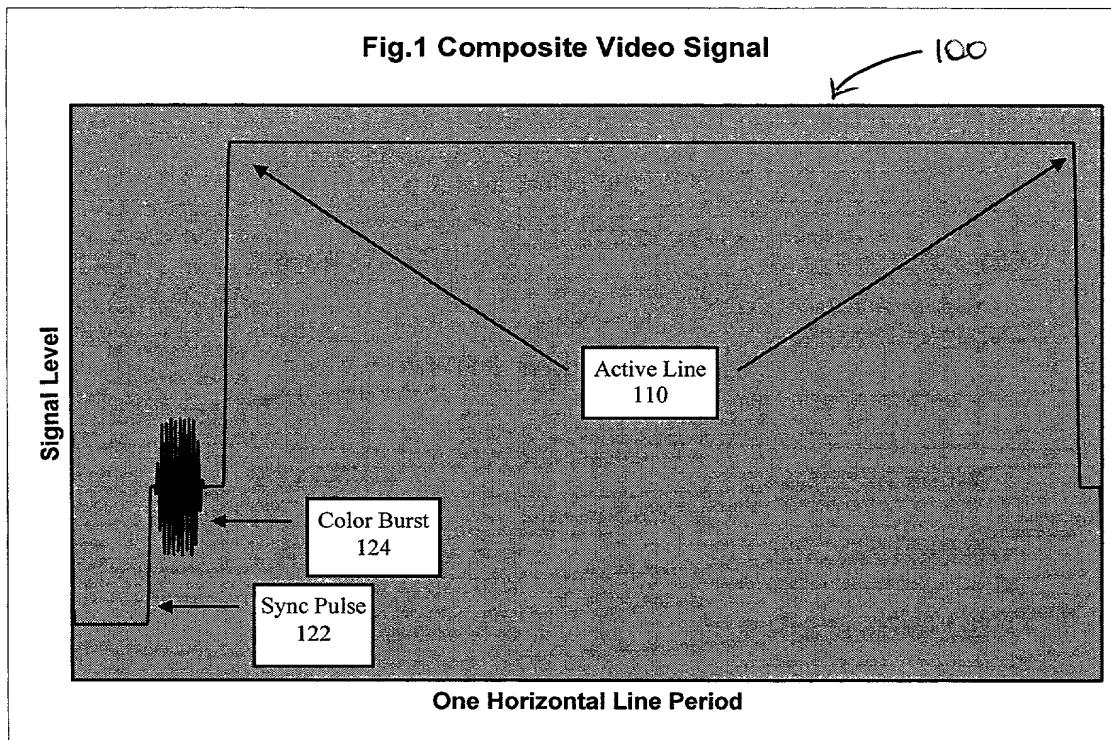


**Fig.1 Composite Video Signal**



**Fig. 2 VTR Modem Top-Level Block Diagram**

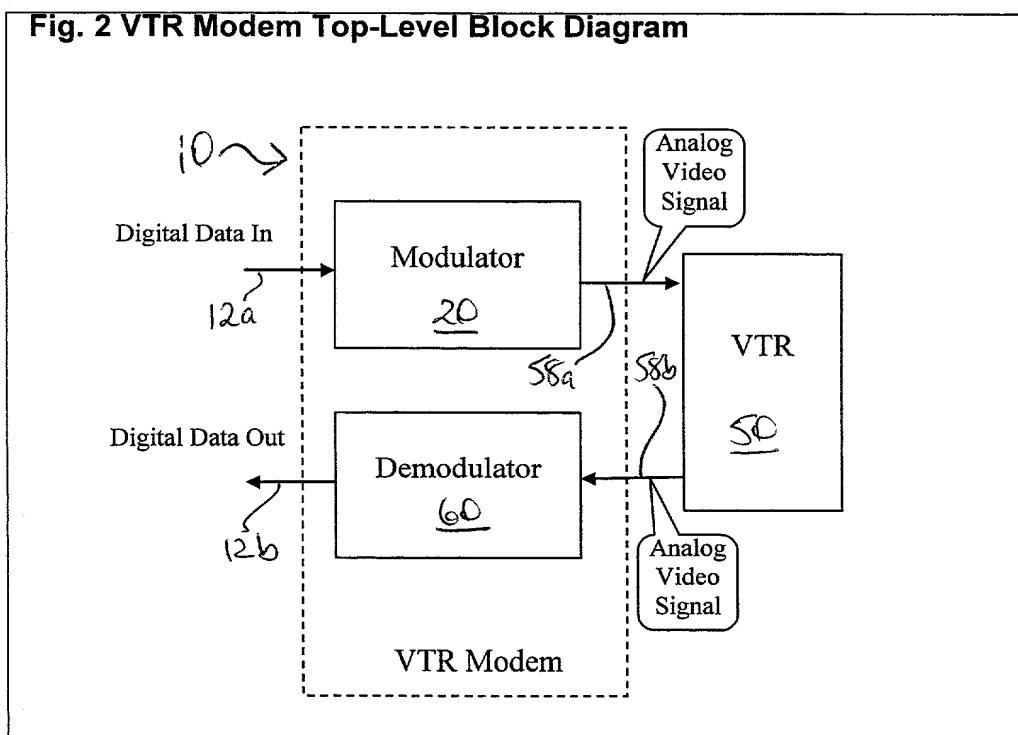


Fig. 3 Modulator Block Diagram

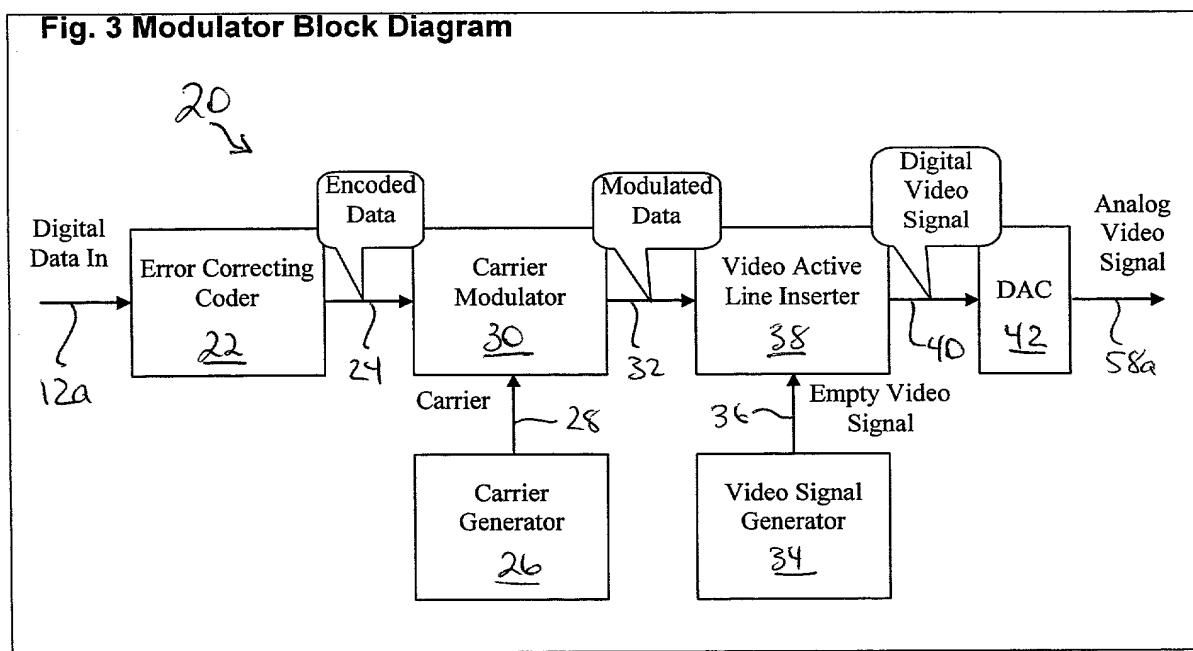


Fig. 4 Demodulator Block Diagram

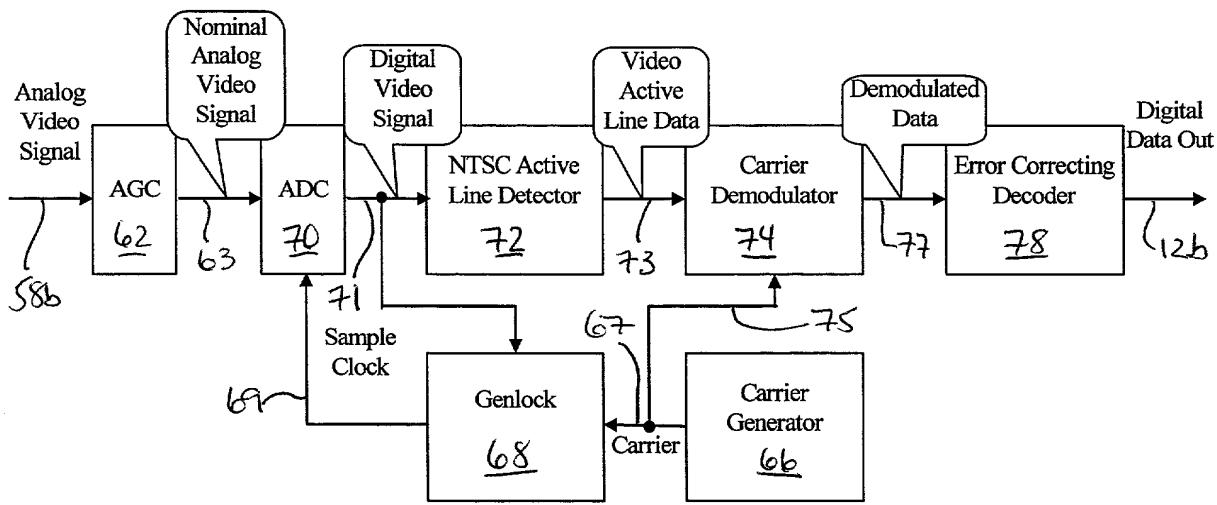


Fig. 4A

Demodulator with Analog AGC

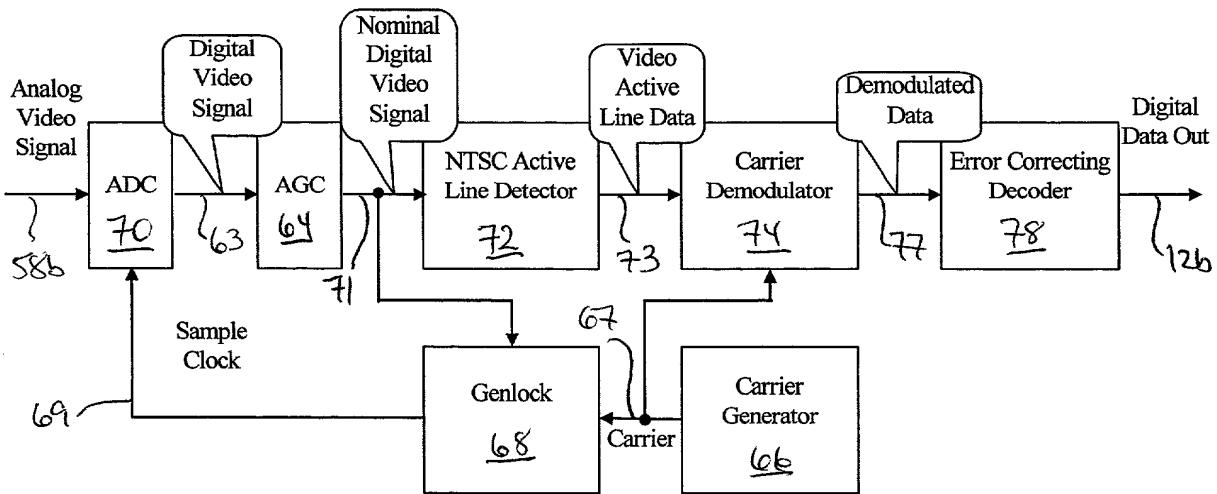
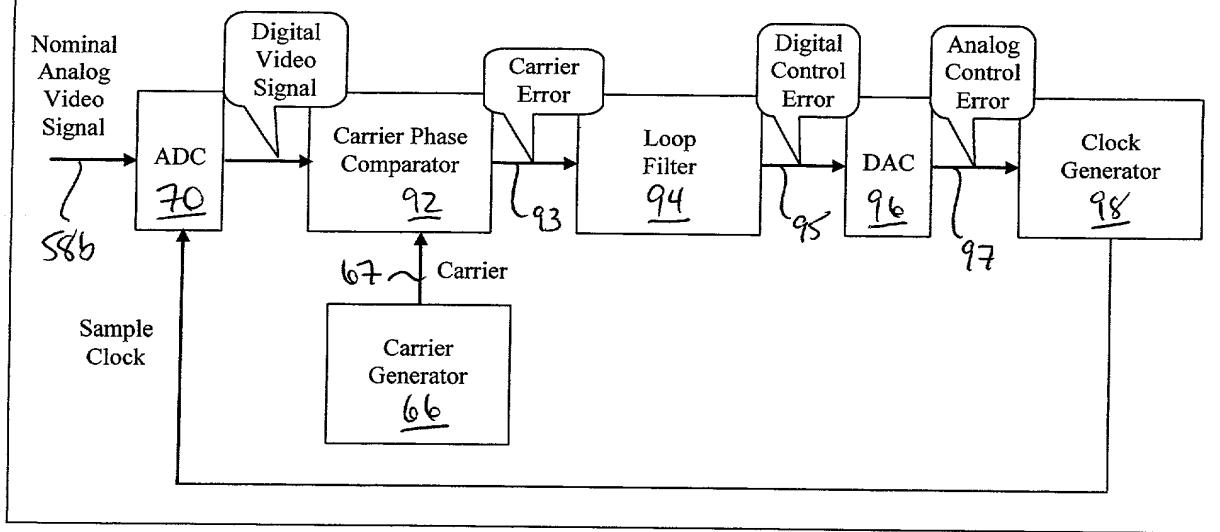


Fig 4B

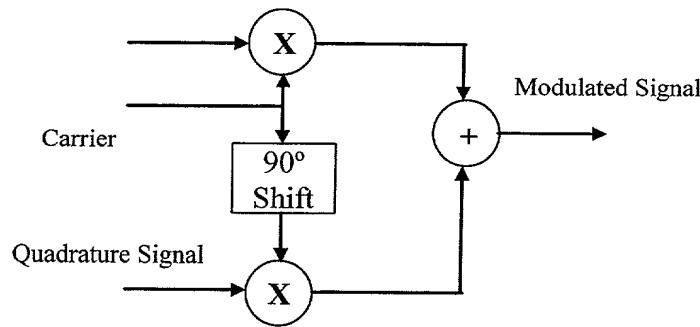
Demodulator with Digital AGC

Fig. 5 Genlock Block Diagram

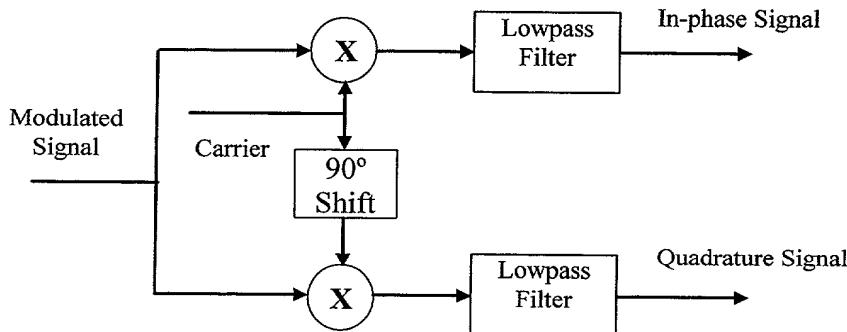


**Fig. 6 Quadrature Amplitude Modulation and Demodulation**

In-phase Signal



*Modulation Method*



*Demodulation Method*